

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-2. (canceled)

3. (currently amended) A production method of containing fullerene encapsulating-fullerene or containing nanotube encapsulating-nanotube material film, the method comprises:

generating plasma including ~~containment~~ encapsulation target ions and collision ions having the same polarity as said ~~containment~~ encapsulation target ions;

irradiating said plasma toward a deposition-assistance substrate on which fullerene or nanotube are deposited, by applying a bias voltage of a polarity opposite to that of said ~~containment~~ encapsulation target ions to said deposition-assistance substrate, to thereby provide said ~~containment~~ encapsulation target ions and said collision ions with acceleration energies, respectively; and

colliding said collision ions with fullerene molecules or nanotube molecules, to thereby cause said fullerene molecules or nanotube molecules to internally contain encapsulate said ~~containment~~ encapsulation target ions, respectively.

4. (previously presented) The production method of claim 3, further comprising:

depositing said fullerene molecules or nanotube molecules on said deposition-assistance substrate, simultaneously with the irradiation of said plasma toward said deposition-assistance substrate.

5. (previously presented) The production method of claim 3, further comprising:

irradiating said plasma onto said fullerene molecules or nanotube molecules previously deposited on said deposition-assistance substrate.

6. (currently amended) A production method of containing fullerene encapsulating-fullerene or containing nanotube encapsulating-nanotube material film, the method comprising:

generating plasma including collision ions;

irradiating said plasma toward fullerene or nanotube previously deposited on a deposition-assistance substrate;

simultaneously therewith, shooting vapor comprising containment encapsulation target molecules toward said fullerene or nanotube;

colliding said collision ions with fullerene molecules or nanotube molecules, to thereby cause fullerene molecules or nanotube molecules to internally contain encapsulate said containment encapsulation target molecules.

7. (previously presented) The production method of claim 6, further comprising:

transporting said generated plasma by a magnetic field to thereby irradiate said plasma toward said deposition-assistance substrate.

8. (canceled)

9. (currently amended) The production method of claim 3, wherein said ~~implantation target ions or said containment encapsulation~~ target ions are alkali metal ions, nitrogen ions, or halogen ions.

10. (currently amended) The production method of claim 6, wherein said ~~containment target substance is encapsulation target molecules are~~ TTF, TDAE, TMTSF, pentacene, tetracene, anthracene, TCNQ, Alq₃, or F₄TCNQ.

11. (previously presented) The production method of claim 3, wherein said collision ions each have a diameter of 3.0 Å or larger.

12. (previously presented) The production method of claim 11, wherein said collision ions are fullerene positive ions or fullerene negative ions, respectively.

13. (currently amended) A production apparatus of ~~containing fullerene encapsulating-fullerene or containing nanotube encapsulating-nanotube~~ comprising:

a vacuum vessel;

plasma generation means for generating plasma including
~~implantation encapsulation~~ target ions and collision ions having
the same polarity as said ~~containment encapsulation~~ target ions;

a deposition-assistance substrate having for depositing
fullerene or nanotube deposited thereon;

magnetic field generation means for transporting and
irradiating said plasma to said deposition-assistance substrate;
and

a bias power supply configured to apply a bias voltage
to said deposition-assistance substrate.

14. (previously presented) The production apparatus of
claim 13, wherein said electric potential body comprises
electroconductive wires in a lattice pattern.

15. (currently amended) A production apparatus of
~~containing fullerene encapsulating-fullerene or containing-~~
~~nanotube encapsulating-nanotube~~ comprising:

a vacuum vessel;

plasma generation means for generating plasma including
~~containment encapsulation~~ target ions;

collision ion generation means for generating collision
ions;

a deposition-assistance substrate having for depositing
fullerene or nanotube deposited thereon;

magnetic field generation means for transporting and irradiating said plasma to said deposition-assistance substrate; and

a bias power supply configured to apply a bias voltage to said deposition-assistance substrate.

16. (currently amended) A production apparatus of containing fullerene encapsulating-fullerene or containing nanotube encapsulating-nanotube comprising:

a vacuum vessel;

plasma generation means for generating plasma including collision ions;

a deposition-assistance substrate having for depositing fullerene or nanotube deposited thereon;

magnetic field generation means for transporting and irradiating said plasma to said deposition-assistance substrate;

containment encapsulation target molecule shooting means for shooting vapor including containment encapsulation target molecules to said deposition-assistance substrate; and

a bias power supply configured to apply a bias voltage to said deposition-assistance substrate.

17. (currently amended) The production method of claim 3, further comprising:

measuring an electric current flowing between the deposition-assistance substrate and a bias power supply for

applying the bias voltage thereto, to thereby measure the density of the ~~containment~~ encapsulation target ions.